User Manual

PCzapper Basic / Basic XL

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0 Overview

Thank you for choosing PCzapper. PCzapper Basic is a complete solution for broadband multimedia computer owners who want to enjoy all kinds of streaming and digital media on a regular television set.

Use PCzapper to get the most out of your broadband connection and turn any regular television in your home into a multimedia TV. Play digital media from your computer directly on all your television sets.

Using the radiographic PCzapper remote control, you activate a TV Portal from which you can choose photos, films and music from your computer to watch and listen to on your television set.

In addition the broadband TV Portal gives you access to tens of thousands of hours of free video, radio and TV. This way you can view online TV series, listen to radio and TV that's available by internet and order and watch both blockbuster and home movies.

PCzapper Basic consists of the following elements:

- PCzapper™ Media Manager → Install this software on your multimedia PC with broadband internet.
- PCzapper™ Connection → Connect the PC with the TV with the special slim two way multi-cable (15/25 meter).
- PCzapper™ Remote Control → Operate your PC remotely using the television screen as your interface.
- PCzapper™ TV Portal → Daily refreshed online TV portal for direct access to streaming video, radio and TV via internet.

Join our Happy Zapper user club to get the most out of your PCzapper!

How it works

The PCzapper™ Media Manager software runs in the background on your personal computer. The software supports a two way

connection between the PC and the TV. The remote control is used to operate the computer from the comfort of your living room couch or other favorite spot in the hourse. The TV screen displays the user interface and shows the TV Portal. The TV Portal is built around local or downloaded content on the left side and streaming content directly from internet on the right hand side.

PCzapper Media Manager supports advanced security options such as parental control and payment (pre/post paid) for ordering films and other products. PCzapper Media Manager itself is not a media player but enhances Windows® Media Player and Cyberlink PowerDVD or InterVideo WinDVD®. For optimum performance, installation of Real Media Player and/or codec packs is advised.

In essence PCzapper™ Media Manager turns the computer into a virtual extra broadcast TV channel that can be received on all television sets in your home. The PC can be operated from anywhere in the house using the radio frequency based remote control. PCzapper provides a smart way to enjoy the power of your computer and internet anywhere in the house!

PCzapper makes an enormous selection of streaming audio and video files available, both live (broadcast) and on demand. In addition PCzapper facilitates interactive television and internet-based next generation teletext. Of course the user may also decide that he wants to enjoy his own content such as home movies or photos, music, DVD's or previously downloaded films.

PCzapper turns watching TV into a real user-driven and user-friendly multimedia experience!

1 Installation and support

Please refer to our "Installation guide" for instructions on how to install PCzapper and connect your PC to the TV.

In case of problems you might want to check our collection of frequently asked questions and user forums in the Support section of our website.

Use this guide to learn about advanced options for configuring and using your PCzapper.

This manual is updated to the latest version of PCzapper Media Manager. Before using it, please make sure that you have the latest version installed. Members of the user club get automatic alerts when new versions are available for download. Alternatively check www.PCzapper.TV.

Please Note

To get the full benefits of PCzapper, your computer should have both a free serial port and a super or composite video out port. However, if your computer fails to meet both of these requirements, you can still enjoy all functionality of PCzapper as follows:

- Without a serial port on your computer (most laptops) you will not be able to get the remote to work unless you use a PCMCIA – serial convertor. Instead of the remote, you can use the keyboard (or mouse) to navigate through the TV Portal.
- Without S/C video port (corporate desktop PC's) you cannot transfer the video signal to the TV. You can enjoy PCzapper TV Portal using the remote and operate your desk top pc as a television on demand system.

2 Configuration

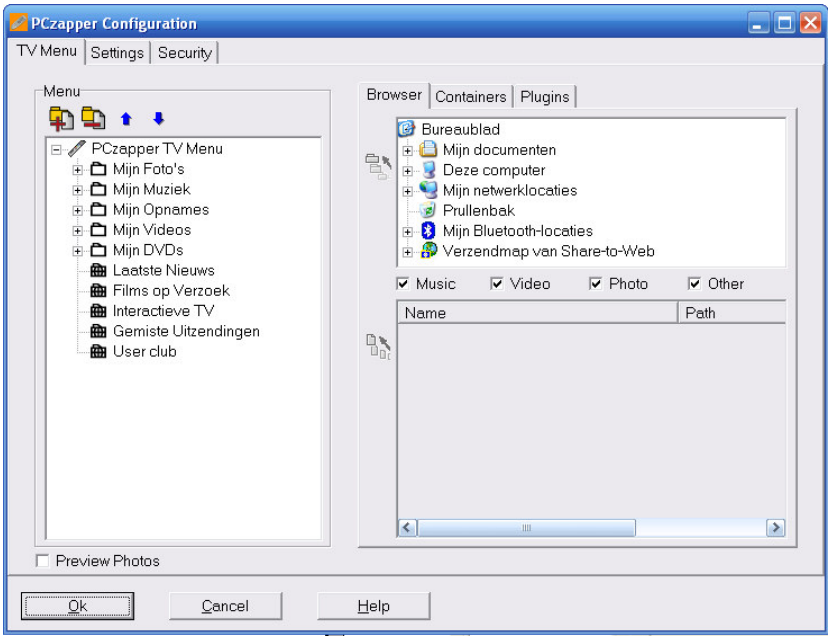
PCzapper TV Portal can be configured in two ways:

- on your computer by double clicking the tray icon
- through the tv screen by pressing the menu button on the remote control

In general the computer interface is used to control the content of TV portal while the TV interface is used to adapt the look and feel and play options to the users' wishes.

2.1 Introduction to the TV portal

Double-click on the PCzapper icon in the bottom right corner of your screen. The following window will be displayed, showing the default configuration.



The menu items for the TV Portal are listed in the left window. Some menu items are preceded by a folder ( )icon, others by a container ( ) icon. Folders refer to local content and containers refer to an online file. The content of a folder can be changed by the user, whereas the content of a container can only be changed by the owner of that container. Thus the contents of a folder can only be enjoyed by one user, whereas all users can enjoy the contents of a container. Access to containers may be limited depending on the type of content.

Neither the folders nor the containers on the start page of the TV Portal can be removed or expanded with new folders or containers. Subfolders (second level), however, can be freely changed, added and removed by the user. On the subfolder/second level, any number of containers can be added. Since they are online, containers can only be changed by their owner.

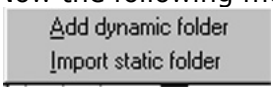
2.2 Changing the contents of the TV Portal

Use the two windows on the right to select the content you want to add to the TV Portal. The top right window shows the file browser for your PC (the "Browser"). The window below shows the contents of the selected folder in the browser window. Select the file or content you want add. To limit your selection to one or more media types, select the media types you want to view in the right window.

PCzapper allows you to create an unlimited number of subfolders (second level) in TV Portal. Simply drag and drop the folder or media file of your choice from one of the right windows to the left window in order to add this item to TV Portal.

Alternatively you can select the folder you want to add and click on .

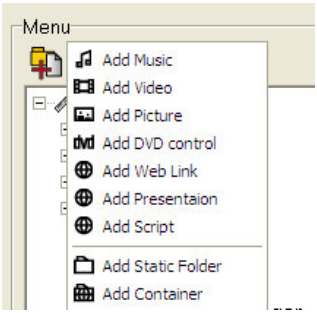
Now the following menu appears:



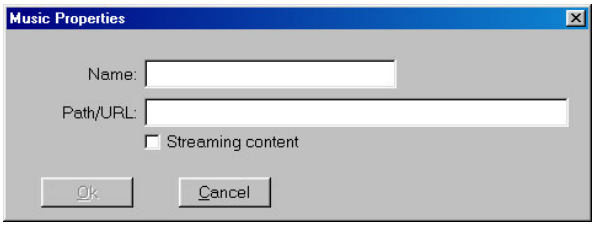
Select static if you don't want the TV Portal to reflect any future changes in the folder. New files being added to this folder will not automatically be made available in the TV Portal. Static folders are identified with the following icon .

Select dynamic if you want PCzapper to automatically include new items being placed into this folder in the TV Portal. Dynamic folders have the character L (from "linked") in the icon .

A third method of adding content is by selecting the folder of choice and clicking the add menu item button . The following menu will be displayed:

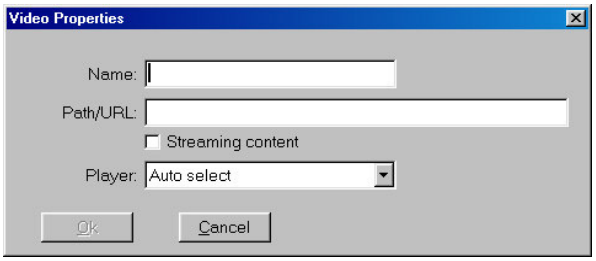


"Add Music" allows you to add an individual music track or stream which can located both online and on the hard drive. You can give the music track or stream any name you like. Select streaming content if the link is an online radio station.

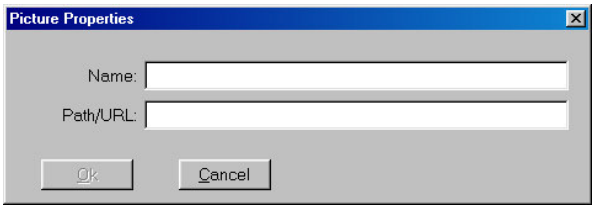


"Add Video" allows you to add an individual video file or stream which can be located both online and on the hard drive. You can

give the file or streaming video any name you like. Select streaming content if it is a link to a live video feed such as a television over internet stream. In addition you can manually check the player you would like to use.



”Add Picture” allows you to add a specific picture to the TV Portal. Again the picture can be located online and on the hard drive.



”Add DVD” allows you create an additional link to your DVD drive.

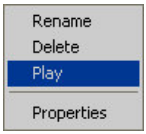
”Add Web Link” allows you to create a link to any website. The contents of the website will be shown in the TV Portal. Please note that the TV screen is not very suitable for viewing regular websites.

”Add Script” allows you to create a link to a PCzapper script. This is suitable function for advanced users. Read more about Script Items in section 2.5.

If you click on ”Add Folder”, a subfolder is created in the chosen folder. You can create as many subfolders (second level) as you wish.

If you click on ”Add Container”, a link is created to an online Container. Containers are XML based files with extension *.pbc. For more on containers, see the next section 1.3.

To make sure that you have typed in or copied the right link, you might want to check if the file plays well. Double click the file and then right click in the menu and choose ”Play”.



Use the up and down arrows and the remove button to dispose of subfolders and containers or to change the order in which they are displayed. These functions are only available for subfolders, i.e. on the second level!

Now click on “OK” to save your settings and enjoy your personalized TV Portal.

2.3 Containers

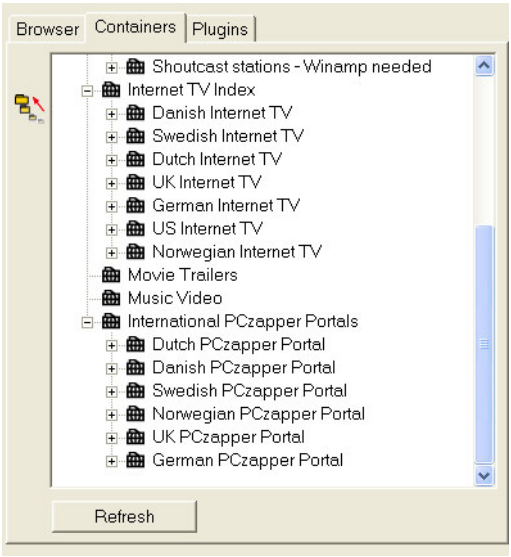
The ability to instantly enjoy online content on any ordinary television is one of the most exciting features of PCzapper. The proprietary container technology allows any user to manage online media files in the same way as if those files were on a local hard disk. Containers are online folders containing links to media files.

The main page of the TV Portal has by default five containers. Each of those first level containers can have an unlimited amount of second level containers (subfolders). The default configuration depends on the country chosen during installation. Thus a user in Denmark has a different default TV Portal than a user in the Netherlands. The default setting cannot be changed after installation.

The content of the containers in the main page is managed by PCzapper.TV BV's editorial staff. For each country where PCzapper is sold, a different TV Portal is maintained.

While it is not possible to change the content of the containers in the TV Portal, it is possible to add containers to the static folders that make up the user controlled part of the TV portal. Three different types of containers exist.

- **International containers** are not part of the default TV Portal. This type of container is maintained by PCzapper.TV BV. Most users will perceive these containers as foreign containers, since they contain links to media files in other languages. These containers are available through the Containers tab in the upper right window of the configuration screen. Each of these containers may be drag-and-dropped into any TV Portal folder.



- **Premium containers** are maintained by official partners of PCzapper.TV BV. These containers usually contain content to which access is limited to certain users or requires some form of payment. Premium containers are always integrated into the TV Portal and do not require any form of manual configuration.

- **Community containers** are developed and maintained by active users, and may be found anywhere on the internet. Community containers can be added manually to the TV

Portal (left side). Select the folder to which you want to add the container and click on the add menu item button . Now choose "Add container". Members of the PCzapper user club will be informed automatically about them, as new community containers are often featured online and they are listed in the community section of the PCzapper user club. High quality community containers may even be incorporated into future editions of the TV portal by the PCzapper developers. If so they will pop up automatically in de broadband section of the TV Portal (right side).

Containers are identified by the extension *.pbc (which stands for PCzapper Broadband Container). Pbc files are based on XML with a proprietary type definition. For users who want to join the development community, a container development kit is available. In addition, community services are available through which anyone can easily add links to online audio and video streams. Using these services enables users to collaborate in the creation of a joint container. Please refer to the community section at www.PCzapper.TV.

2.4 Scripts (for advanced users)

Scripts allow you to control virtually any device such as TV Tuner cards or home automation equipment with the remote control through the TV screen.

Scripts expand PCzapper functionality. By default, PCzapper comes without any scripts enabled. Just like community containers, scripts are a tool being made available to the user community. Scripts may therefore be found anywhere on the internet. The membership of the PCzapper user club is encouraged to keep in touch with these developments.

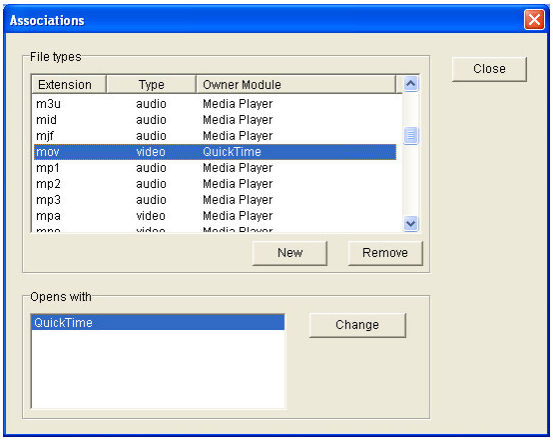
Scripts must also be added manually to the TV Portal. Select the folder where you want to add the script and click on the add menu item button . Now choose "Add script". Make sure the script is stored on the computer´s hard drive.

Scripts are identified by the extension *.psm (which stands for PCzapper Scripting Module). PCzapper script programming is done in a mixture of XML tags and Visual Basic Script or Javascript. Programming scripts is for advanced users only! For users who want to join the development community, a development kit is available. Please refer to the community section at www.PCzapper.TV.

2.5 Plugins (for advanced users)

Plugins are a way to configure PCzapper to your own preferences. Like scripts, plugins are identified by the extension *.psm. This too is a function for advanced users only! Refer to the upper right window in the Configuration screen and select the "Plugins" tab.

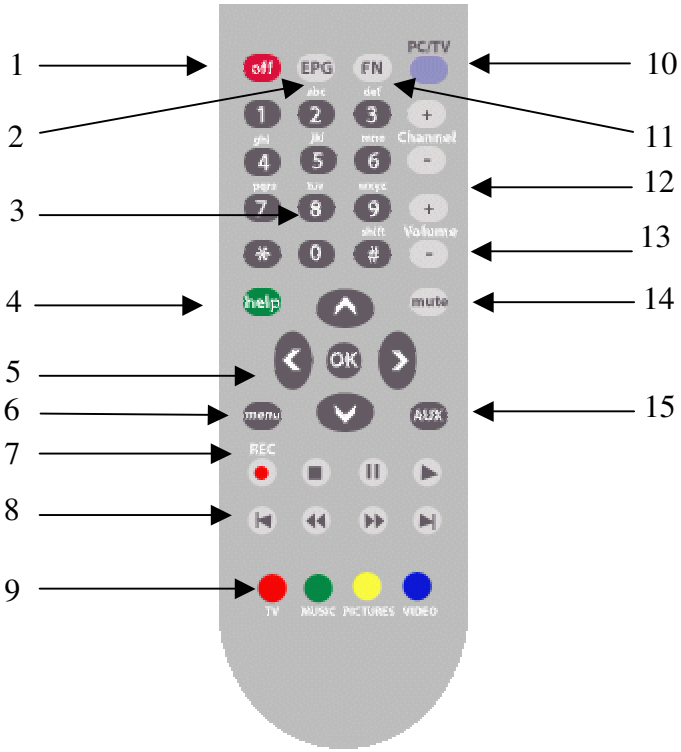
Make sure the plugin you want to include is stored somewhere on the hard drive of the computer and click "Add" to add a new plugin. The embedded plugin allows you to launch certain programs when a file with a specific extension is chosen from the TV Portal. To automatically launch the right application depending on the file extension, click on the "Associations" button and add a new association by combining the extension and the plugin. In the example here a plugin is added so that each time a *.mov file is played, Quicktime is selected as the default player.



For users that want to join the development community a development kit is available. Please refer to the community section at www.PCzapper.TV.

3 TV Portal Interface

First take some time to learn about the buttons on the remote control.



1	PC OFF	Switches the computer off
2	EPG	Links to online TV guide (TBD)
3	Alfa numerical keys	Depending on the application numbers or characters are selected. Pressing 2 once gives a, twice b and three times gives c.
4	Help	Online access to help on Menu items.
5	Navigation buttons	Press arrows to navigate through the menu and OK to select.
6	Menu	Starts up the TV Portal, when Portal runs pressing Menu opens on screen configuration.
7	PVR buttons	Record, Stop, Pause and Play.
8	Skipping	Previous, Fast back, Fast forward, Next
9	Programmable buttons	A short press activates the button. A long press programs the button.
10	Switch button	Switch between PC and TV screen. Pressing once fires up TV Portal
11	Function key	Macro's
12	Channel	Up / down
13	Volume	Loud soft
14	Mute	Disables/enables sound
15	Back	Short press for jump back, long press to go back to main menu.

When windows desktop is shown on the TV screen, the remote control can be used for controlling the mouse pointer.

3.1 Navigating through the TV Portal

With the computer switched on, PCzapper running in the background, and the television set tuned in at the right external port, press PC/TV on the remote control to start up the TV Portal.

Navigate through the TV Portal using the arrow keys: simply press OK at a selection of your choice.

To listen to music, view pictures or a movie, select a track or file of your choice and press either "Play" or "OK". Stop playing by pressing "Stop" or move backwards and forwards by pressing "Fast forward" and "Rewind".

When playing music files, the next track in the folder is automatically played. To watch a slide show of pictures, press "Play" and the pictures will automatically be shown, in order, at regular intervals like a slide show. You can interrupt this slide show or play it back using "Pause" and turn the sound up and down using the Volume control.

After leaving the main page different icons are used to indicate which type of media a certain name represents. The following icons are used:

	IMAGE	PICTURES WITH EXTENSION: .GIF / .JPG / .JPEG / .PNG / .BMP
	Local Video	Movie files with extension: .AVI / .MPG / .ASX / .MPEG / .MOV / .RV
	Streaming video / tv	Movie files with extension: .WMV/ .RMV / .3GPP / .MS-DVR
	Local music	Audio files with extension: .MP3 / .WAV / .AIFF / .MIDI / .ASF / .AAC / .OGG
	Streaming music (radio)	Audio files with extension: .WMA / .RM
	DVD controller	DVD files with extension: .VOB / .IFO
	Web link	Uniform resource locators with extension: .html / .htm / .php / .asp
	Static folder	PCzapper virtual local directory: new content to be added manually
	Dynamic folder	PCzapper virtual local directory: content equals corresponding Windows folder.
	Container	Online page: based on PCzapper Broadband Container native XML type definition with extension: .PBC
	Playlist	PCzapper virtual play back index file

3.2 Pop up menus

To adjust the TV Portal according to your preferences, use the pop up menus. The pop up menus are shown directly on the TV screen.

Four different pop up menus are available:

- Common
- Audio
- Video
- Theme / System

Some pop menus feature a sub menu for detailed settings.

With the TV Portal visible on your screen press the "Menu" button (again) to activate the pop up menus. Use the arrows keys to navigate through the different pop up menus and change the settings.

3.2.1 Common

The first pop up box shown is "Common". Use this menu to change the lay out and format of the TV Portal.

→ Go to the next pop up box

→ Sort content

→ Enter play list sub menu

→ Rename a file or folder

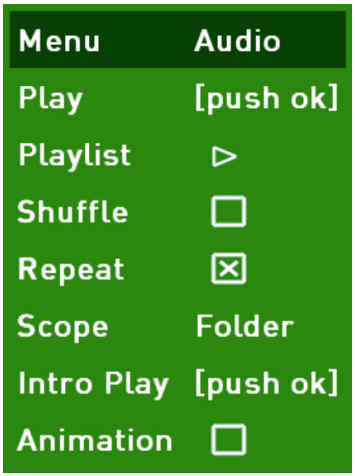
→ Number of lines in the TV Portal

→ Turn status bar on/off

Select your settings by navigating to the item of choice (arrow up / down) and then use left / right arrow to change the setting. Press "Ok" to confirm. And "Back" to exit the pop menu.

3.2.2 Audio

The next pop up box is for audio. Use it to adjust the way audio files are played and to automatically select which files are to be played in which circumstance.



→ Go to the next menu

→ Play the chosen music file

→ Play list submenu

→ Play music files randomly

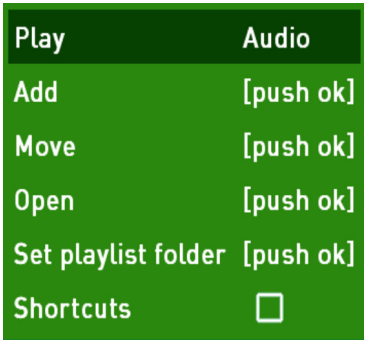
→ Repeat the chosen music file

→ Define scope for the menu settings

→ Play 5 sec. of each music file

→ Show animation while playing

Selecting the Play option opens up a sub pop up menu for managing the contents of the play list.



→ Play selection from the play list

→ Add the selected file to the play list

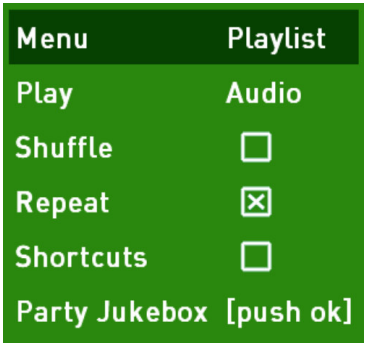
→ Remove the file from the play list?

→ Open the play list folder

→ Set selected folder as play list

→ Turn shortcuts on/off

When the Play list is selected in the audio pop up menu, another sub pop up menu opens up.



→ Go to the next menu

→ Play the Play list of this file type

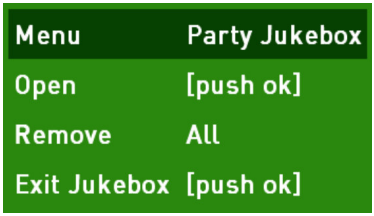
→ Play the music files randomly

→ Repeat play

→ Turn shortcuts on/off

→ Go to Jukebox mode

In Party Jukebox mode new items can be added instantly to a playing play list.



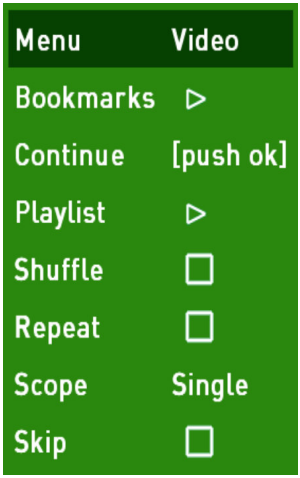
→ Open the Jukebox folder

→ Delete the selected file or all files

→ Exit Jukebox mode

3.2.3 Video

The next pop up box is for video. Use it to adjust the way video files are played and to automatically select which files are to be played in which circumstance.



→ Go to the next pop up box

→ Bookmarks sub menu (DVD)

→ Continue movie from last stop

→ Play list submenu

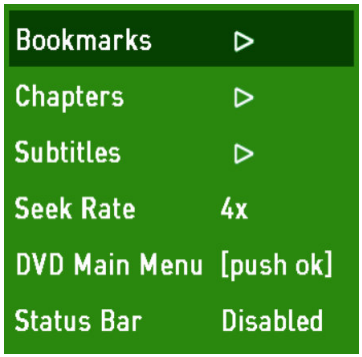
→ Play movie files randomly

→ Repeat play of the chosen movie file

→ Defines scope for the menu settings

→ Skip this movie

The DVD pop up menu is used for special functionality when playing DVDs.



→ Set bookmarks in the DVD

→ Jump between chapters

→ Select subtitles for the film

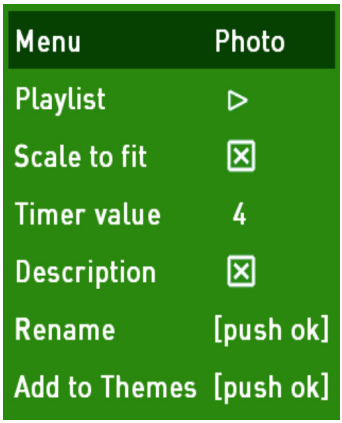
→ Select seek rate

→ Jump to DVD menu

→ Select status bar setting

3.2.4 Photo

The next pop up box is for pictures. Use it to adjust the way picture files are shown.



→ Go to the next pop up menu

→ Go to play list submenu

→ Scale the picture to fit the screen

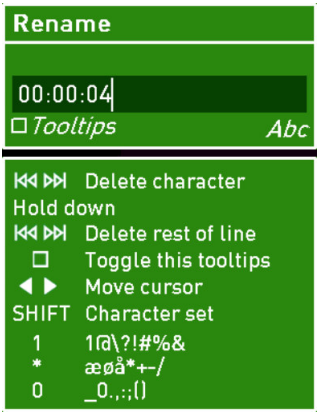
→ Set timer for slide show (seconds)

→ Show description

→ Rename a file or folder

→ Add picture as background

Selecting the renaming option opens up a new sub pop up menu. Changing the name requires use of alpha numeric characters on the remote control.



→ press "2" once for A, twice for B and three times for C, etc.

→ Press once to delete last character and keep pressed to delete complete line

→ Use shift to type number and special characters

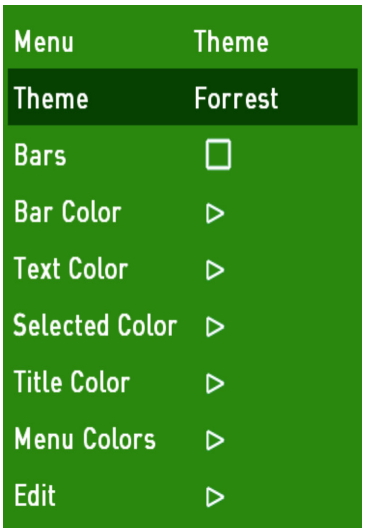
3.2.5 Theme

The background of the second level sub-folders may also be adjusted.

→ Go to the pop up window

→ Change background

In addition, the look and feel may be adjusted to optimize visibility.



→ Go to the next pop up window

→ Choose another background

→ Include bars on the menu lines

→ Define bar color

→ Define text color

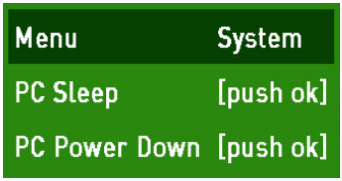
→ Define selection color

→ Define headlines color

→ Define menu colors

→ edit

Finally the PC may be switched off using the pop up menu.



→ Go to the next pop up window

→ Put the PC in sleeping mode

→ Turn off the PC

3.3 Using Play list and Party mode

Example of using the Play list (music, picture & movies)
Press "Menu" and press the right arrow until the "Play list menu" is highlighted. Use arrow down to go down "Shortcuts" and right arrow to select (cross) in the box. Press "Menu" or "Back" to make the pop up box disappear again.

You can now freely navigate around the TV Portal and add any file you like to the play list. To add a file, position the pointer on it and press the "OK" button for 1 second.

To enjoy your play list, press "Menu" and select "Play list menu". Now use arrow down until "Play" is highlighted. Use the right arrow to select between audio, video and photo files in the play list. When selecting photo, a slide show may be viewed.

Press "OK" to finish the selection and enjoy the contents of your play list.

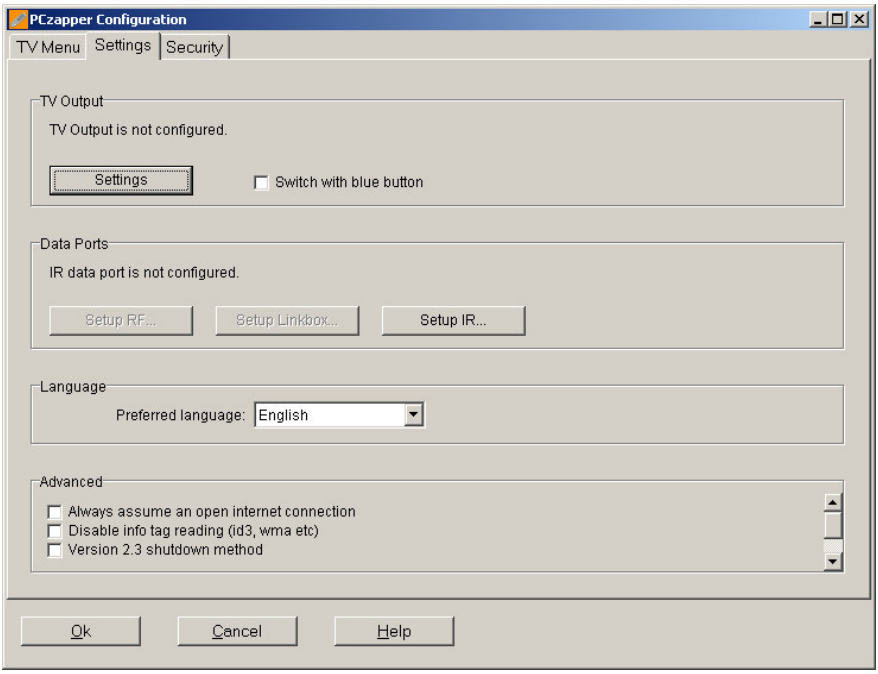
Example of using Party Mode (music only)
Press "Menu" and select "Play list menu" by using the left or right arrows. Press the down arrow until "Party Jukebox" is highlighted and press "OK" to change to "Party" mode. The Jukebox is now active. You can navigate around and select music files by pressing either "OK" or "Play".

When you select a music file, it is automatically added to the Jukebox folder and the Jukebox starts to play immediately once the first music file is selected.

The special feature in "Partymode" is that you can add music files to the Jukebox folder while other (previously selected) files are being played back. Newly added files are automatically queued up, just like a real juke box!

4 Hardware Settings

To modify the hardware settings on your PC (video card and serial port) double click the PCzapper icon in the bottom right corner of your screen. Go to the "Settings" tab. The following window is shown.



4.1 TV Output

If your video card is either nVIDIA or ATI (>95% of all desk tops pc's) PCzapper will have recognised it during installation and automatically configured the video card to work with PCzapper. By default, PCzapper is configured to operate in switching mode: either the pc monitor or the tv screen shows an image or plays a video file.

PCzapper Basic remote control is equipped with a special button for PC/TV switching.

There should be no need to use the blue button for switching.

If you have installed PCzapper on a computer that doesn't have an ATI or nVIDIA video card, it will have to be manually configured using "Hotkeys". Hotkeys are usually set through Advanced Display Properties in the Control Panel.

To modify default settings or manually configure the video card use the "Settings" button.

Depending on the type of video card in the computer a different configuration screen is shown:

- for nVIDIA video cards
- for ATI video cards
- for unsupported video cards such as Intel

4.1.1 Configuring an nVIDIA video card

After pressing "Settings" PCzapper Media Manager will automatically show the current settings for the video card.

Detonator drivers are universal for all nVidia desktop video cards. This driver is suitable for all GeForce and TNT video cards.

The default settings may be changed manually:

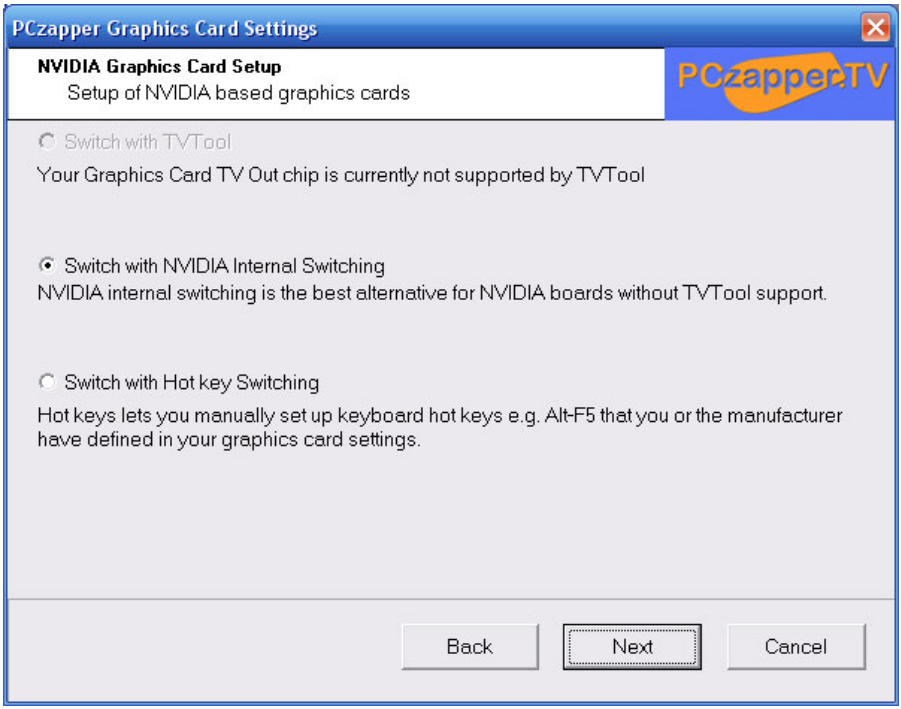
- The best image quality is achieved when the resolution is set to "Full Screen". Alternatively fixed resolutions may be chosen.
- In Europe the TV out format is PAL, in the US NTSC should be chosen.
- Dual View may be selected to use the computer monitor and television screen simultaneously. The monitor will show the primary screen (the desktop) and the PCzapper TV Portal will be shown on the secondary screen. In dual view mode, other people can use the computer at the same time as you are enjoying the TV Portal.

Please Note

Not all driver versions of nVIDIA video cards support dual view well. Dual view should only be selected with advanced video cards and always with the latest drivers installed (check www.nvidia.com). Depending on the quality of the video card the image on the television screen may flicker when starting up PCzapper TV Portal.

Press "Start wizard" and "next" to configure the video card on how to respond to the remote control.

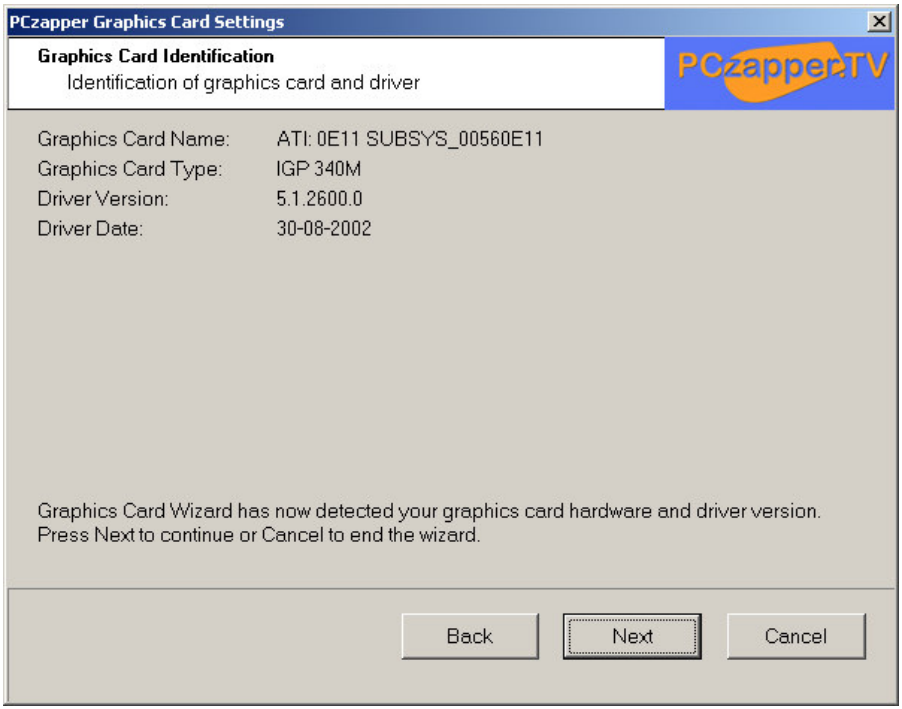
- TVTool switching is recommended for professional users only and requires an additional piece of software to be installed.
- When selecting automatic switching there are 2 options:
    - Dual view not set: Pressing the PC/TV button on the remote control will cause the monitor to be switched off and the normal screen image to be shown on the TV. Pressing the Menu button on the remote starts up the TV Portal on the current screen.
    - Dual view set: Use of the PC/TV button is used to turn dual view on/off. Pressing Menu on the remote will start up the TV Portal.


PCzapper Graphics Card Settings
NVIDIA Graphics Card Setup
Setup of NVIDIA based graphics cards
PCzapper.TV
Switch with TVTool
Your Graphics Card TV Out chip is currently not supported by TVTool
Switch with NVIDIA Internal Switching
NVIDIA internal switching is the best alternative for NVIDIA boards without TVTool support.
Switch with Hot key Switching
Hot keys lets you manually set up keyboard hot keys e.g. Alt-F5 that you or the manufacturer have defined in your graphics card settings.
Back
Next
Cancel

Manual switching may be used if for some reason you would like a different configuration or if the video card does not support automatic switching. Depending on the video card either one set of hot keys is used to switch to and from the TV screen, or one set for each function is used. Please refer to paragraph 4.1.3.

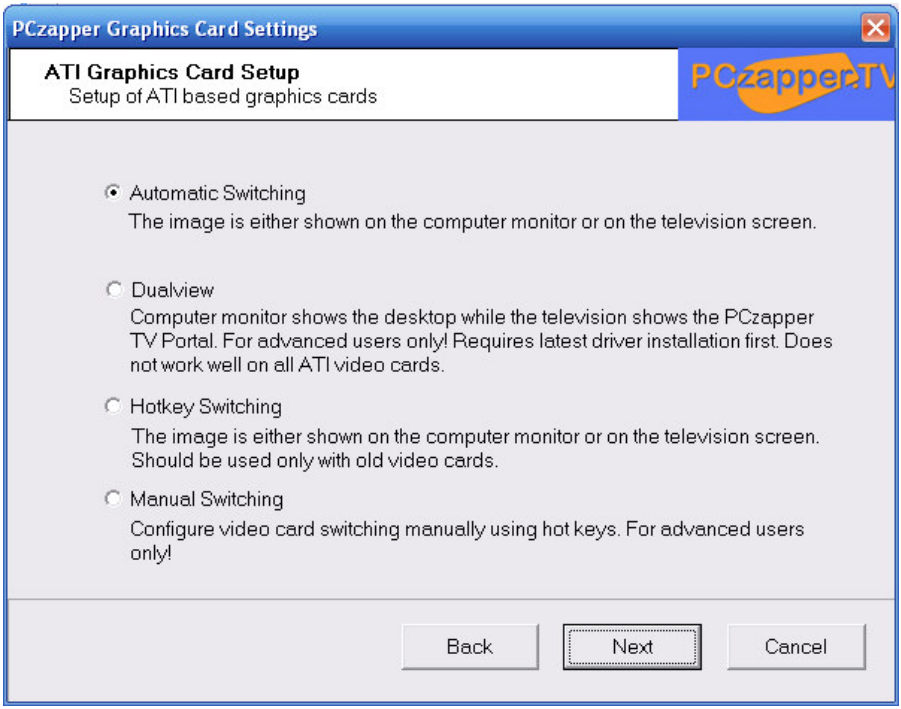
4.1.2 Configuring an ATI video card

Press "Start wizard" and "Next" and the following window is shown.


PCzapper Graphics Card Settings
Graphics Card Identification
Identification of graphics card and driver
PCzapper.TV
Graphics Card Name: ATI: 0E11 SUBSYS_00560E11
Graphics Card Type: IGP 340M
Driver Version: 5.1.2600.0
Driver Date: 30-08-2002
Graphics Card Wizard has now detected your graphics card hardware and driver version.
Press Next to continue or Cancel to end the wizard.
Back
Next
Cancel

PCzapper has identified the video card and the driver version. For optimum performance, it is strongly advised to install a new driver for your ATI video card, which can be found on the installation CD or online at support.ati.com. When installing a new driver, press "Cancel" and install the new driver first.

Press "Next" to configure the video card to work with PCzapper Media Manager. The following window is shown.


PCzapper Graphics Card Settings
ATI Graphics Card Setup
Setup of ATI based graphics cards
PCzapperTV
Automatic Switching
The image is either shown on the computer monitor or on the television screen.
Dualview
Computer monitor shows the desktop while the television shows the PCzapper TV Portal. For advanced users only! Requires latest driver installation first. Does not work well on all ATI video cards.
Hotkey Switching
The image is either shown on the computer monitor or on the television screen. Should be used only with old video cards.
Manual Switching
Configure video card switching manually using hot keys. For advanced users only!
Back
Next
Cancel

Select the option of your choice.

- **Automatic Switching** is the default setting. The screen image is either shown on the computer monitor or on the television screen. Pressing "shift+M" on the remote control will cause the monitor to be switched off and the normal screen image to be shown on TV. Pressing the M button on the remote has the same effect, but in addition starts up the TV Portal on the television screen.

- **Dual view** is limited to new, high quality video cards. When selecting this option, the video card is set to show the normal view on the computer monitor and the TV Portal on the television. This powerful mode allows simultaneous use of the computer while PCzapper is working in the background. Of course this also requires

extra processing power. “shift+M” is used to turn off/on the dual view screen.

- **Hotkey switching** should be used if your video card does not support switching. After running through the configuration wizard “shift+M” may be used to switch between PC and TV.

- **Manual switching** may be used as a last resort when PCzapper hasn’t been able to identify the video card and therefore cannot detect its settings profile. In the advanced settings of the video card the hot keys for activating the video out port may be found and manually configured.

After choosing the option that suits you best press “Next” to finish. Only when manual set up has been chosen will a new window appear.

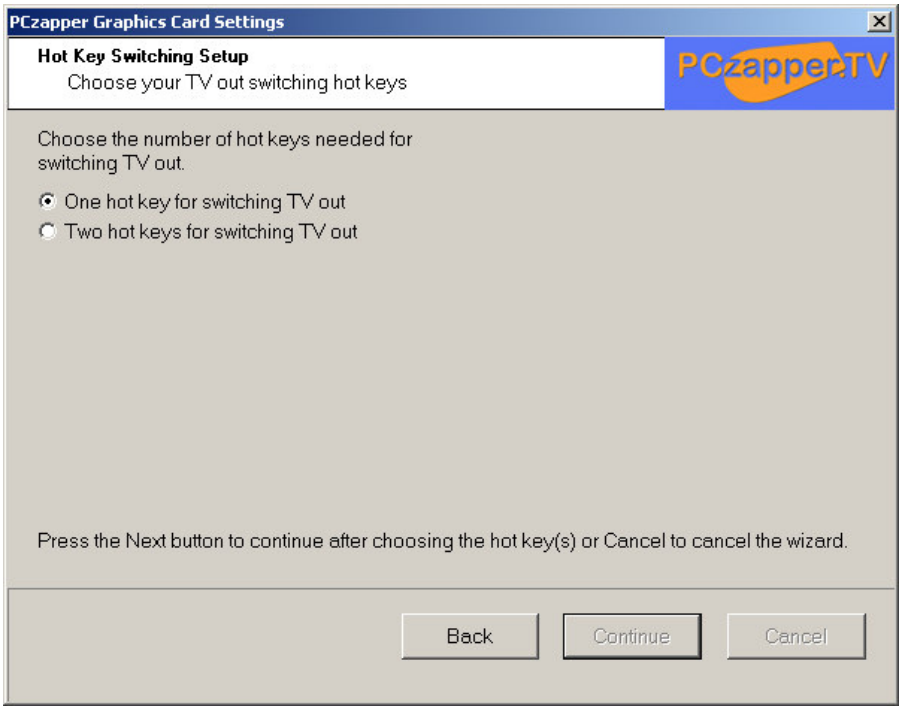
4.1.3 Configuring a non supported video card

Before trying to configure an unsupported video card, right click on the desk top of your computer, select “Properties” and then “Settings” and “Advanced”. Now select the tab of your graphic card. Look for “Properties” and then for “Hot Keys”.

Write down the hot keys that invoke switching. You might have to activate the hotkey functionality. Check if different hot keys are used for activating and deactivating the video out port.

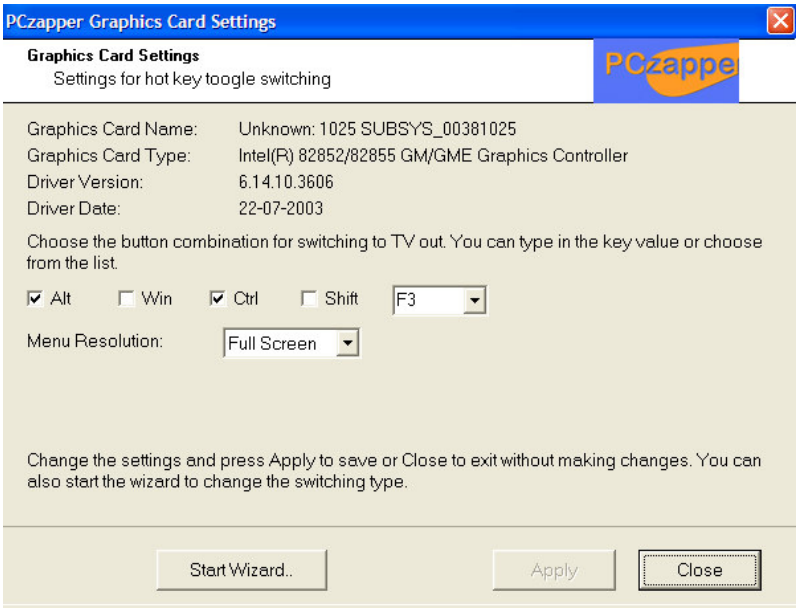
If there is no hot key functionality you can activate either “clone”, “dual view” or similar functionality.

Now return to PCzapper configuration. The following window is shown.

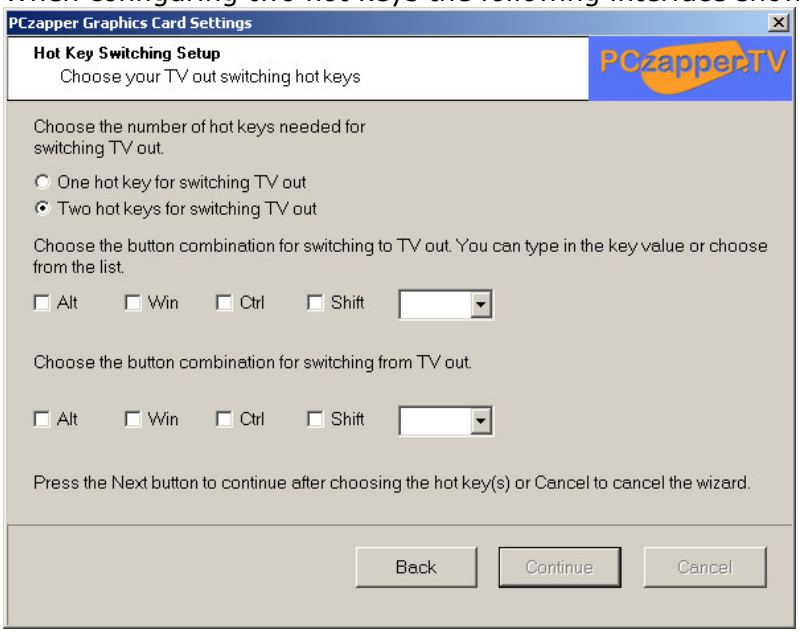

PCzapper Graphics Card Settings
Hot Key Switching Setup
Choose your TV out switching hot keys
PCzapper.TV
Choose the number of hot keys needed for switching TV out.
One hot key for switching TV out
Two hot keys for switching TV out
Press the Next button to continue after choosing the hot key(s) or Cancel to cancel the wizard.
Back
Continue
Cancel

Select "One hot key" if the same combination is used for both activating and deactivation the video out port. Select "Two hot keys" if different combinations are used. Press "Continue".

If one hot key is used the following screen appears. Type in the hot key and press "Close" to finish.



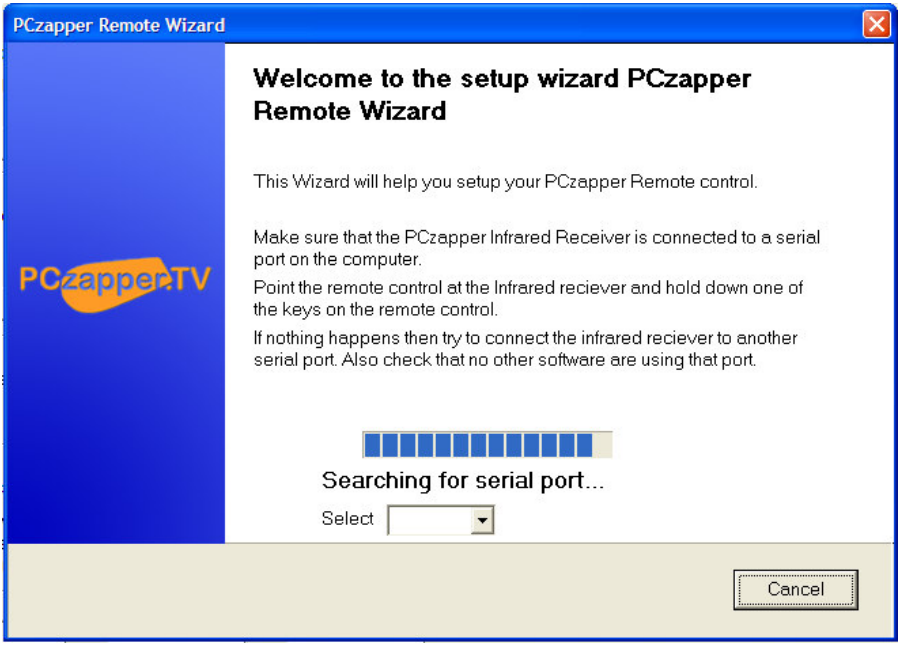
When configuring two hot keys the following interface shows up.


PCzapper Graphics Card Settings
Hot Key Switching Setup
Choose your TV out switching hot keys
PCzapper.TV
Choose the number of hot keys needed for switching TV out.
One hot key for switching TV out
Two hot keys for switching TV out
Choose the button combination for switching to TV out. You can type in the key value or choose from the list.
Alt
Win
Ctrl
Shift
Choose the button combination for switching from TV out.
Alt
Win
Ctrl
Shift
Press the Next button to continue after choosing the hot key(s) or Cancel to cancel the wizard.
Back
Continue
Cancel

In both instances you should type in the hot keys for your video card and press "continue" to finish the wizard.

4.2 Data Port

To configure the remote control, press the button "Set up IR". The following window pops up.


PCzapper Remote Wizard
Welcome to the setup wizard PCzapper Remote Wizard
This Wizard will help you setup your PCzapper Remote control.
Make sure that the PCzapper Infrared Receiver is connected to a serial port on the computer.
Point the remote control at the Infrared reciever and hold down one of the keys on the remote control.
If nothing happens then try to connect the infrared reciever to another serial port. Also check that no other software are using that port.
PCzapper.TV
Searching for serial port...
Select
Cancel

It's important that you can see this screen and point the remote control at the infra red receiver at the same time. The wizard will start with COM 1 and automatically proceed to next COM port if no signal is received. The search process is stopped immediately when a signal from the remote is received.

Select the port on which the signal was received and press "Finish".

To interrupt searching at any time press "Cancel" and wait for the wizard to finish. This can take some time (up to a minute).

4.3 Language

The language of the PCzapper Media Manager can be changed. Several options are available. Changing the language doesn't affect the settings for the TV Portal.

4.4 Advanced settings

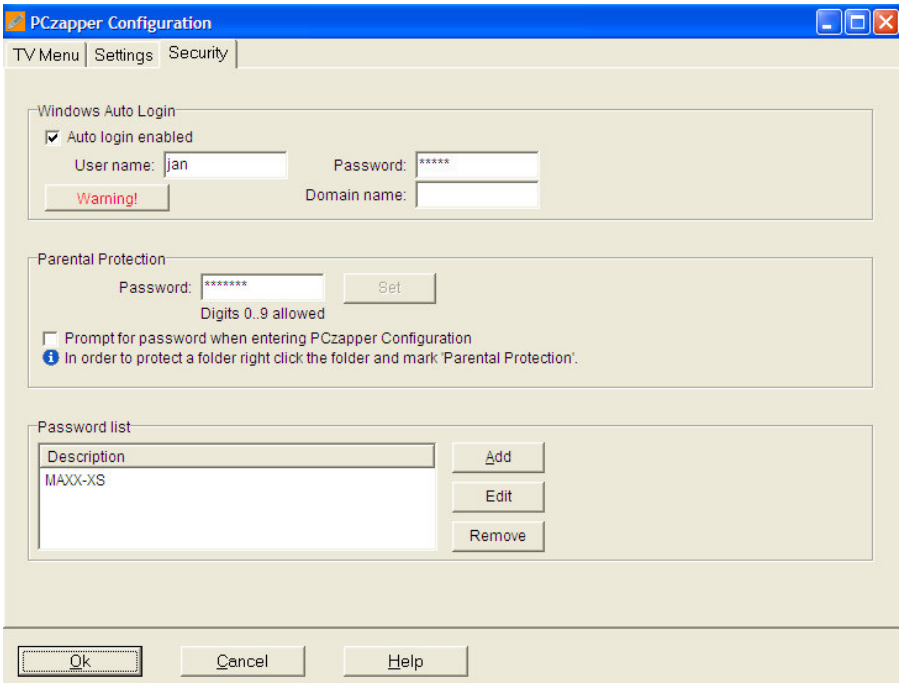
If your computer has a working internet connection but reports "No internet connection", select "Assume an open internet connection" to fix the problem.

"Disable tag info reading" can be used to speed up the updating of dynamic folders with many audio files on slow computers. If you turn off this functionality the filename will be used.

Select 2.3 shut down if you experience problems while shutting down the PC from the remote control.

5 Security

To provide smooth use and prevent misuse, PCzapper has some advanced security options. To set these, double click the PCzapper icon in the bottom right corner of your screen. Go to the "Security" tab. The following window is shown.



5.1 Windows auto login

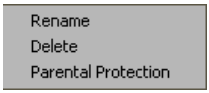
Use this function to let your computer login automatically to your personal profile. Copy your name and password from the Windows login screen. This function is useful when starting up the computer with the PCzapper remote control (refer to chapter 3.1). Please note: using this function imposes a security risk since the password is stored in the registry file of the computer.

5.2 Parental Protection

This function is useful to prevent unauthorized access to content in the TV Portal. Each folder in--or even the entire--TV Portal can be protected with a (the same) pin code.

You may choose to protect the configuration itself by checking the radio button.

After the parental protection is activated a new item is added when right clicking on folders in the "Configuration" tab of the TV Portal menu.



5.3 Password list

This function provides easy access to premium container files. It is utilized by content providers supplying services such as video on demand. Typically those providers will ask the user to register online and create an account. This account is needed to actually view the video files and/or movies.

In order to view the movie files the customer should buy credits first which are then deducted from his account when a movie file is ordered (pre paid) or the user gets a monthly invoice (post paid). In both instances the password list may contain the information needed to access the account directly from the TV Portal with the PCzapper remote.

The account information is supplied by the provider of the premium content services. Other forms of payment, such as pay per view or time do not require the password list.

6 Technical data

PCzapper remote control

Batteries	2 x (L)R06 (AA)
IR wave length	950 nm ± 50 nm
Range	min. 10m
Communication protocol	RC-5

PCzapper Link Cable

Length	15m or 25m (XL)
Connections	Audio (2 channels), video, RS-232 (RI, RTS, GND)
TV connection	via Scart-connector

PCzapper IR-receiver

Supply voltage	from RS-232 signal (RTS)
IR wave length	940 nm

General information

Directives	89/336/EØF 92/31/EØF 93/68/EØF
Standards	EN55022 (Emission) EN55024 (Immunity)